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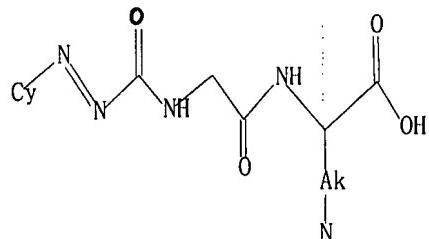
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L4 1 S L3

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Structure attributes must be viewed using STN Express query preparation.

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2003:42291 CAPLUS.
 DN 138:85590
 TI Arazoformyl dipeptide chromogenic substrates and their use in determination of carboxypeptidase
 IN Quentin, Gerard
 PA Societe Diagnostica-Stago, Fr.
 SO PCT Int. Appl., 100 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003004516	A1	20030116	WO 2002-FR2376	20020705
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: CH, CM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2826962	A1	20030110	FR 2001-9030	20010706
	FR 2826962	B1	20031031		
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	AU 2002327928	A1	20030121	AU 2002-327928	20020705
	EP 1406920	A1	20040414	EP 2002-762539	20020705
	EP 1406920	B1	20061115		
	R: AT, BE, CH, DE, DK, ES, FR, IE, SI, LT, LV, FI, RO, MK,	GB, GR, IT, LI, LU, NL, SE, MC, PT, CY, AL, TR, BG, CZ, EE, SK			
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	CN 1524087	A	20040825	CN 2002-813642	20020705
	HU 200400920	A2	20040928	HU 2004-920	20020705
	JP 2004533489	T	20041104	JP 2003-510682	20020705
	TW 252234	B	20060401	TW 2002-91114987	20020705
	AT 345351	T	20061215	AT 2002-762539	20020705
	ES 2276951	T3	20070701	ES 2002-2762539	20020705
	MX 2003PA12040	A	20050816	MX 2003-PA12040	20031219
	US 2005107305	A1	20050519	US 2004-751601	20040105
	HK 1065321	A1	20070608	HK 2004-107367	20040923
PRAI	FR 2001-9030	A	20010706		
	WO 2002-FR2376	W	20020705		

OS MARPAT 138:85590

AB The invention relates to chromogenic compds. and the use thereof for the determination of enzymes of the family of carboxypeptidases N and carboxypeptidases U. The chromogenic compound is an arazoformyl dipeptide A-N:N-CO-AA1-AA2-OH (A = (Me, iPr, MeO, Cl, CF₃, OCF₃, SCH₃ mono- or disubstituted)phenyl, 4-pyridyl, 2-pyrimidyl, quinolinyl, etc.; AA1 = amino acid recognized by carboxypeptidase A; AA2 = basic amino acid). The carboxypeptidase U or N cleaves the peptide bond between AA1 and AA2. Carboxypeptidase A, added to the sample, cleaves AA1 from the arazoformyl moiety which is subsequently converted to an aryl compound, N₂ and CO₂. So, carboxypeptidase U or N cleavage results in loss of color. Thus, the synthesis of N-(4-methoxyphenylazoformyl)-L-phenylalanylarginine is described. This compound is used in determination of TAFI (thrombin activatable fibrinolysis inhibitor) in blood.

IT 485322-20-1P 485322-21-2P 485322-22-3P
 485322-23-4P 485322-24-5P 485322-25-6P
 485322-26-7P 485322-27-8P 485322-28-9P

RL: ARG (Analytical reagent use); SPN (Synthetic preparation); ANST (Analytical study); PREP (Preparation); USES (Uses)

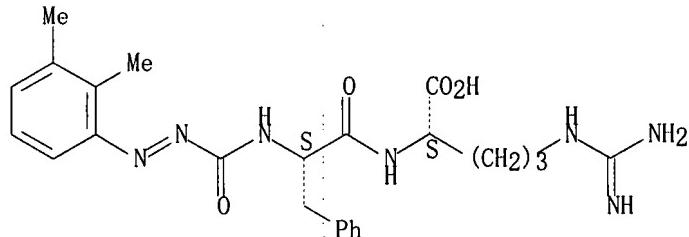
(arazoformyl dipeptide chromogenic substrates and their use in determination of carboxypeptidase)

RN 485322-20-1 CAPLUS

CN L-Arginine, N-[(2,3-dimethylphenyl)azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

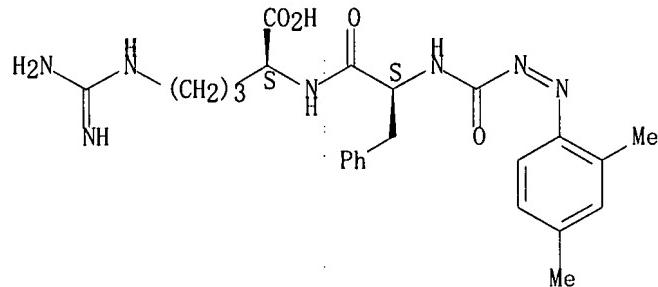


RN 485322-21-2 CAPLUS

CN L-Arginine, N-[(2,4-dimethylphenyl)azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

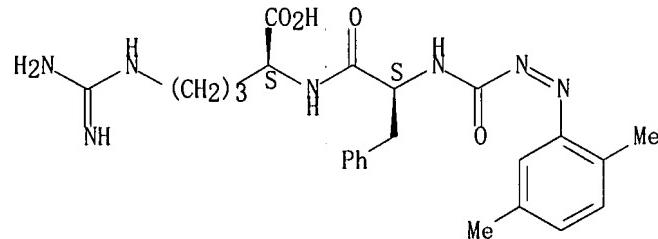


RN 485322-22-3 CAPLUS

CN L-Arginine, N-[(2,5-dimethylphenyl)azo]carbonyl]-L-phenylalanyl- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.

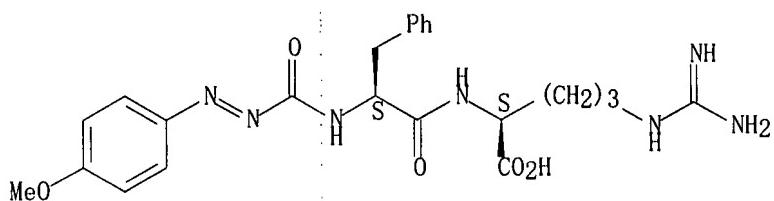


RN 485322-23-4 CAPLUS

CN L-Arginine, N-[(4-methoxyphenyl)azo]carbonyl]-L-phenylalanyl- (9CI) (CA
INDEX NAME)

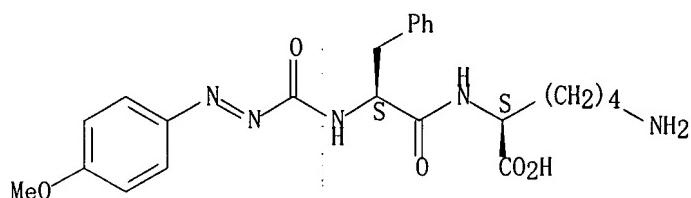
Absolute stereochemistry.

Double bond geometry unknown.



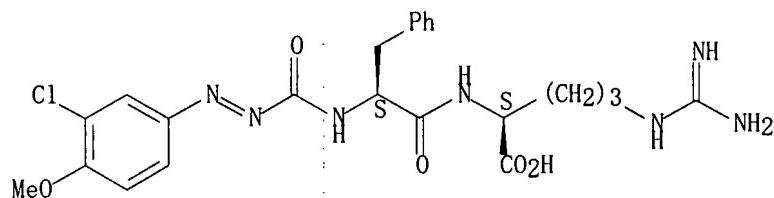
RN 485322-24-5 CAPLUS
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Absolute stereochemistry.
 Double bond geometry unknown.



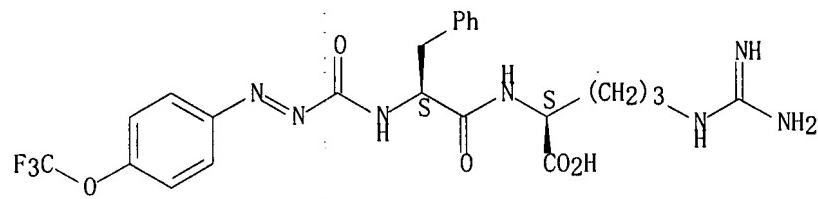
RN 485322-25-6 CAPLUS
 CN L-Arginine, N-[[(3-chloro-4-methoxyphenyl)azo]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



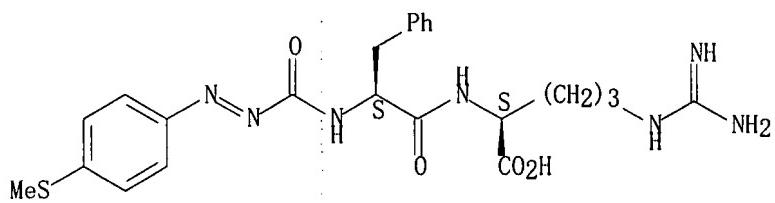
RN 485322-26-7 CAPLUS
 CN L-Arginine, N-[[(4-(trifluoromethoxy)phenyl)azo]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.



RN 485322-27-8 CAPLUS
 CN L-Arginine, N-[[(4-(methylthio)phenyl)azo]carbonyl]-L-phenylalanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
 Double bond geometry unknown.

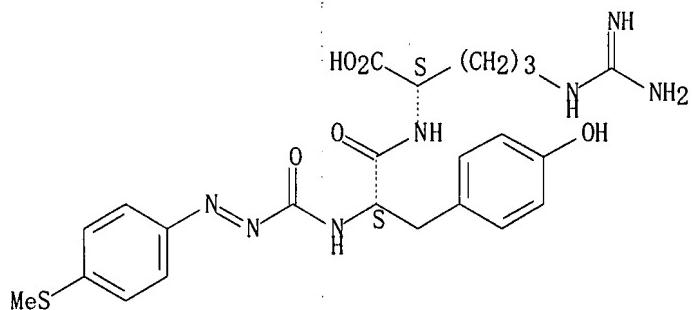


RN 485322-28-9 CAPLUS

CN L-Arginine, N-[[[4-(methylthio)phenyl]azo]carbonyl]-L-tyrosyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

Double bond geometry unknown.



RE.CNT 4

THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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"QUENTIN GERHARD"/AU)
L7 1 SEA FILE=CAPLUS ABB=ON PLU=ON L5 AND CARBOXYPEPTIDASE

=> d bib abs

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
 AN 2003:42291 CAPLUS
 DN 138:85590
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 IN Quentin, Gerard
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 SO PCT Int. Appl., 100 pp.
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003004516	A1	20030116	WO 2002-FR2376	20020705
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	FR 2826962	A1	20030110	FR 2001-9030	20010706
	FR 2826962	B1	20031031		
	CA 2450194	A1	20030116	CA 2002-2450194	20020705
	AU 2002327928	A1	20030121	AU 2002-327928	20020705
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	HU 200400920	A2	20040928	HU 2004-920	20020705
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	US 2005107305	A1	20050519	US 2004-751601	20040105
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 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L4 1 SEA ABB=ON PLU=ON L3

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D BIB ABS HITSTR

E QUENTIN GERARD/AU

L5 29 SEA ABB=ON PLU=ON ("QUENTIN GERARD"/AU OR "QUENTIN GERHARD"/AU)

L6 0 SEA ABB=ON PLU=ON L5 AND CARBOXYPEPTIDASE

L7 1 SEA ABB=ON PLU=ON L5 AND CARBOXYPEPTIDASE

D QUE L7 STAT

D BIB ABS

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